	Application No.	Applicant(s)
Notice of Allowability	09/426,644	MOON ET AL.
	Examiner	Art Unit
,	A. Dexter Tugbang	3729
All claims being allowable, PROSECUTION ON THE MERITS IS (herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGOT the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in thi or other appropriate communic GHTS. This application is subj	s application. If not included ation will be mailed in due course. THIS
1. A This communication is responsive to Amendment filed on 1	<u>2/10/04</u> .	
2. X The allowed claim(s) is/are 13-16,19,21,23,24,27,30 and 42	<u>2</u> .	
3. X The drawings filed on 25 October 1999 are accepted by the	e Examiner.	
 4. Acknowledgment is made of a claim for foreign priority unapplication. a) All b) Some* c) None of the: Certified copies of the priority documents have Certified copies of the priority documents have Copies of the certified copies of the priority documents have Topies of the certified copies of the priority documents have an international Bureau (PCT Rule 17.2(a)). * Certified copies not received: 	been received. been received in Application N	o
Applicant has THREE MONTHS FROM THE "MAILING DATE" of noted below. Failure to timely comply will result in ABANDONMI THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.		eply complying with the requirements
 A SUBSTITUTE OATH OR DECLARATION must be submit INFORMAL PATENT APPLICATION (PTO-152) which give 		
 CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftsperso 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR 1.4 each sheet. Replacement sheet(s) should be labeled as such in the 	on's Patent Drawing Review (F Amendment / Comment or in t	he Office action of rawings in the front (not the back) of
 DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT F 		
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB/08 Paper No./Mail Date Paper No./Mail Date Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Sumn Paper No./Mai B), 7. ☐ Examiner's Am	I Date

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REASONS FOR ALLOWANCE

1. The following is an examiner's statement of reasons for allowance.

Regarding Claim(s) 13, the prior art does not teach all of the limitations of the claimed invention including adhering the polymide coating layer of the membrane to the jetting fluid barriers, separating the second reinforcing ring and the third substrate of silicon wafer, from the nozzle plate; and adhering the adhesive polymer coating layer of the membrane to the driving fluid barriers.

Regarding Claim(s) 19, the prior art does not teach all of the limitations of the claimed invention including forming a first reinforcing element on the first substrate, and forming the jetting fluid chambers between corresponding adjacent pairs of the jetting fluid barriers.

Regarding Claim(s) 21, the prior art does not teach all of the limitations of the claimed invention including forming a first reinforcing element on the first substrate, forming a second reinforcing element on the adhesive polyimide coating layer, separating the polyimide coating layer from the second substrate after forming the second reinforcing element, and adhering the nozzle part with the silicon wafer to the membrane.

Regarding Claim(s) 23, the prior art does not teach all of the limitations of the claimed invention including forming driving fluid chambers between corresponding pairs of the driving fluid barriers with the electrodes and the heat elements forming bottom sides of the corresponding driving fluid chambers and separated from the corresponding jetting fluid chambers by the membrane, each of the bottom sides being between the corresponding pair of the driving fluid barriers.

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Regarding Claim(s) 27, the prior art does not teach all of the limitations of the claimed invention including removing first, second, and third substrates from the corresponding formed nozzle part, membrane, and heat driving part, and then adhering the nozzle part to the membrane, and the membrane to the heat driving part.

Accordingly, Claims 13-16, 19, 21, 23, 24, 27, 30 and 42 are allowed.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

2. Any inquiry concerning this communication or earlier communications from the examiner should be directed to A. Dexter Tugbang whose telephone number is 571-272-4570. The examiner can normally be reached on Monday - Friday 8:00 am - 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on 571-272-4690. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

A. Dexter Tugbang Primary Examiner Art Unit 3729

December 23, 2004